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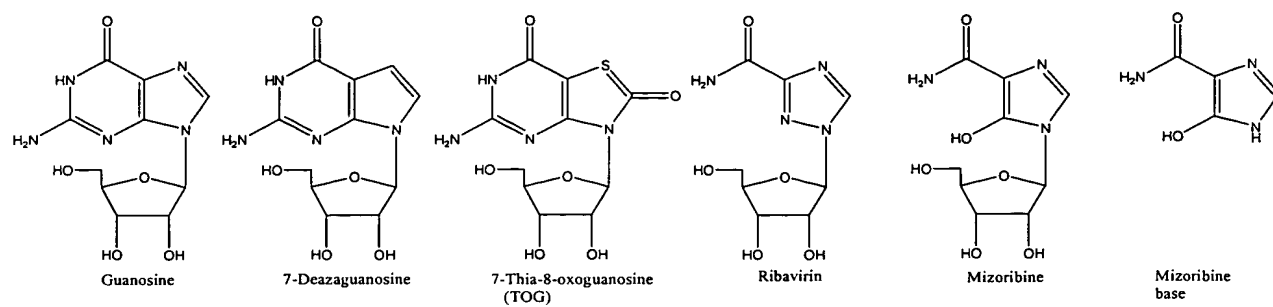


Figure 1

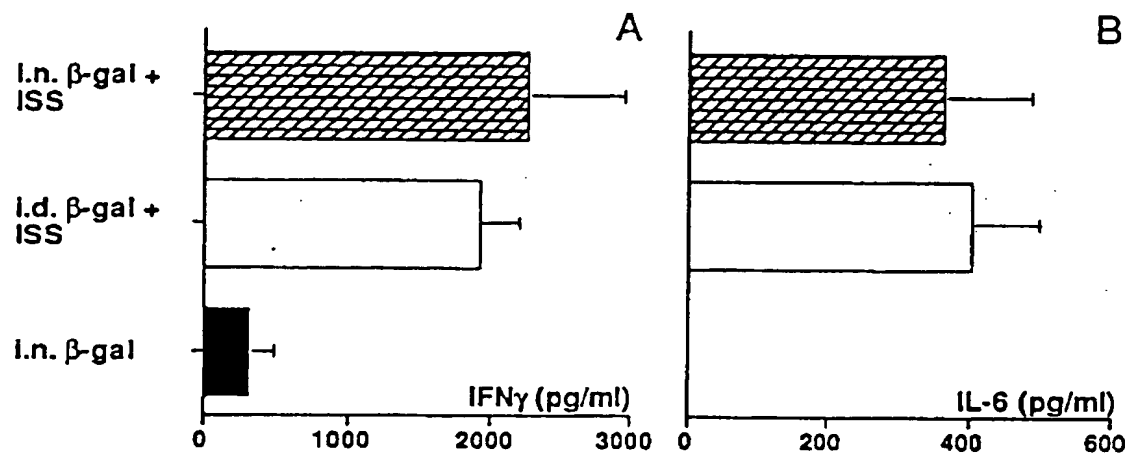


Figure 2

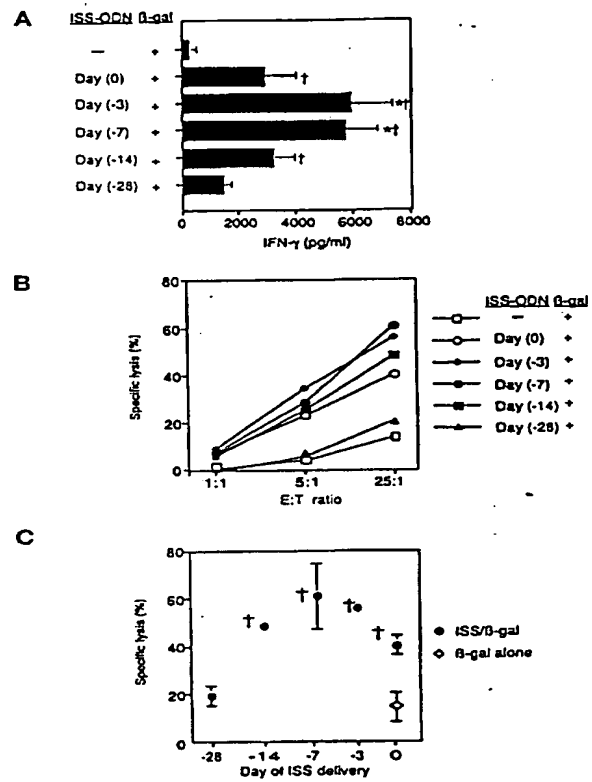


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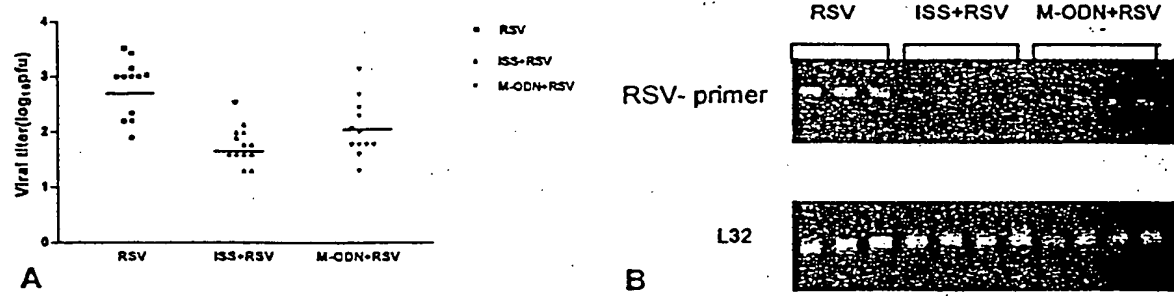


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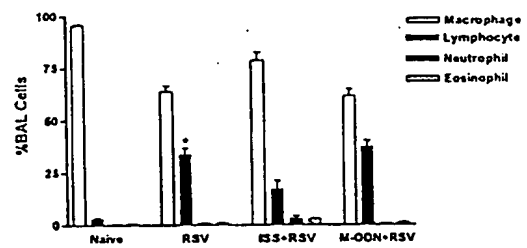
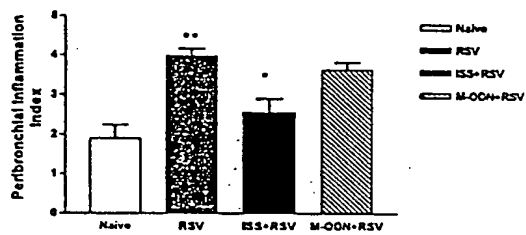


Figure 5

Figure 6

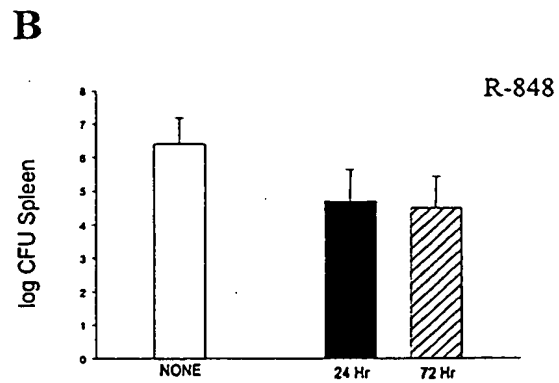
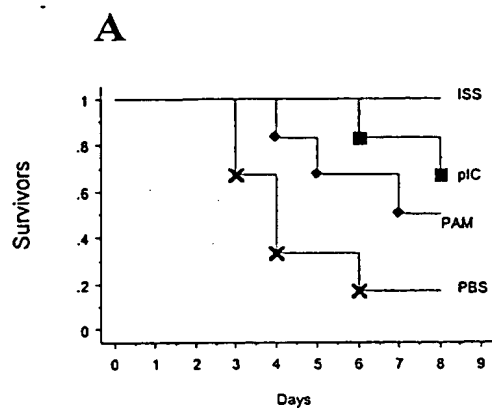


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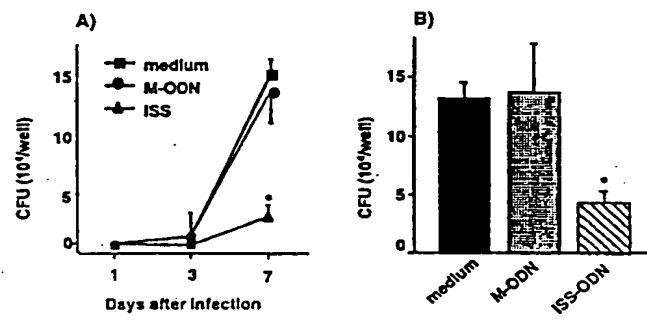
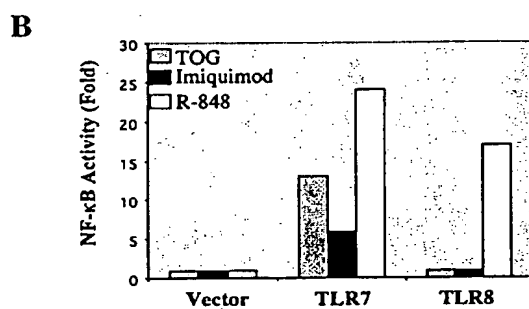
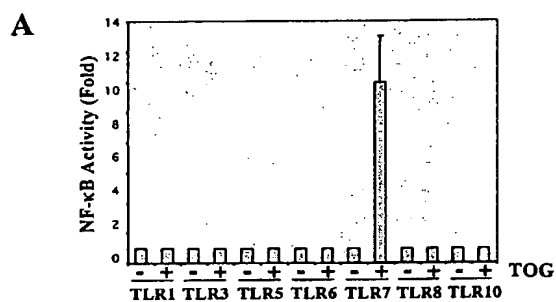


Figure 8.



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Guanine Derivatives	Activation of TLR7	Activation of TLR8
Guanosine (G)	No	No
Deoxy-Guanosine (dG)	No	No
8-OH-dG	No	No
8-aza-chlorophenyl-G	No	No
9-phenyl-G	No	No
7-deaza-9-benzyl-G	No	No
6-chloro-7-deaza-G	No	No
6-methoxy-7-deaza-G	No	No
7-deaza-dG	Yes	No
7-deaza-G	Yes	No
7-thia-8-oxo-G (TOG)	Yes	No
8-bromo-G	No	No
7-methyl-G	No	No
7-allyl-8-oxo-G (Loxoribine)	Yes	No
Imiquimod	Yes	No
R-848	Yes	Yes

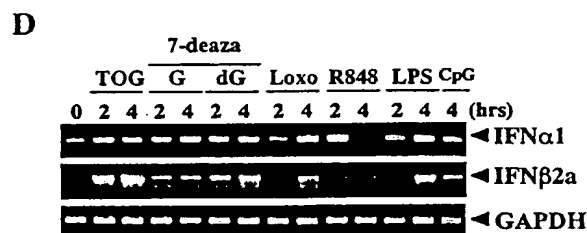


Figure 9

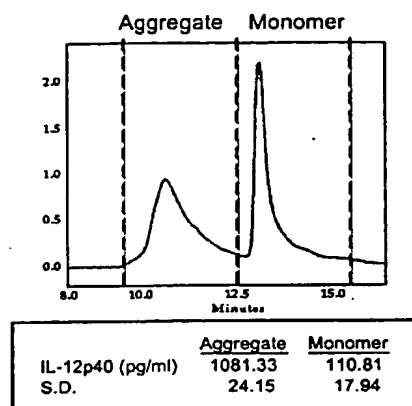


Figure 10

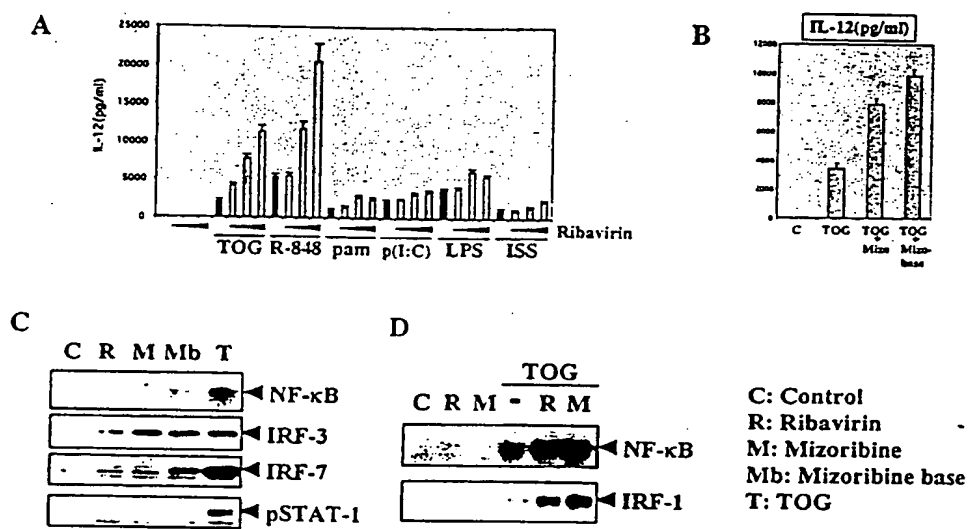


Figure 11

Activation of IRFs By IMPDH Inhibitors Is Dependent on DNA-PKcs

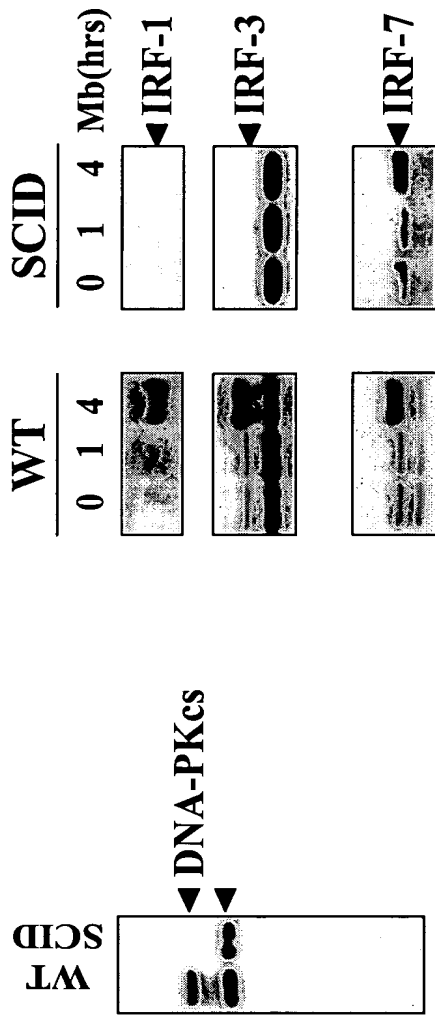


FIGURE 12

Activation of IRFs By TLR7 Is Via DNA-PKcs But not MyD88

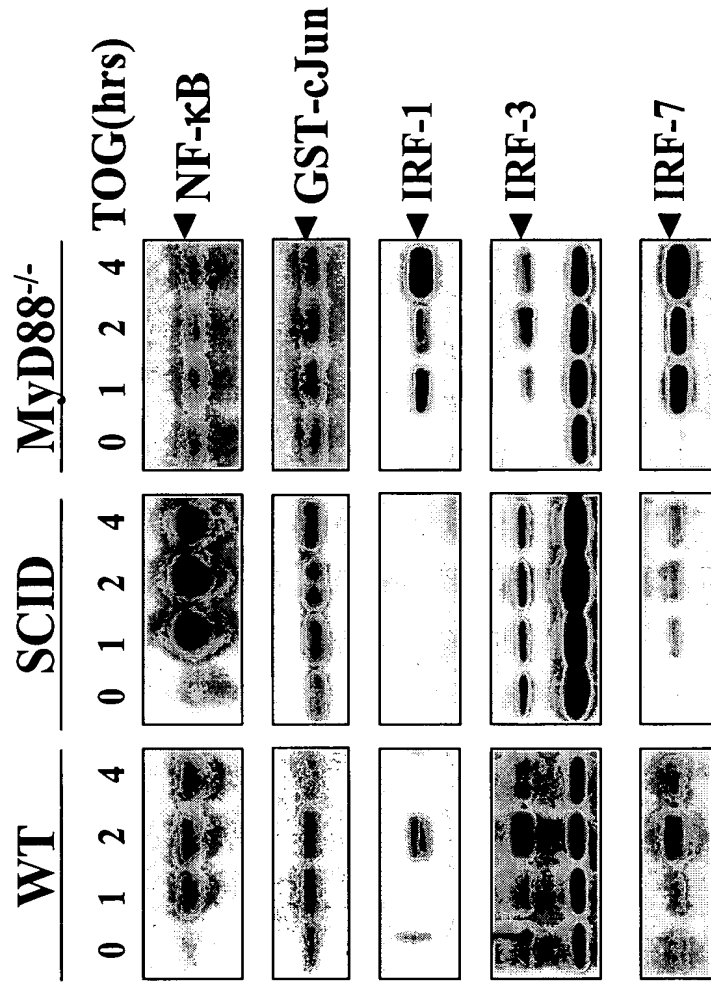


FIGURE 13

Activation of IRFs By TLR7/Mb Is Via DNA-PKcs But not MyD88

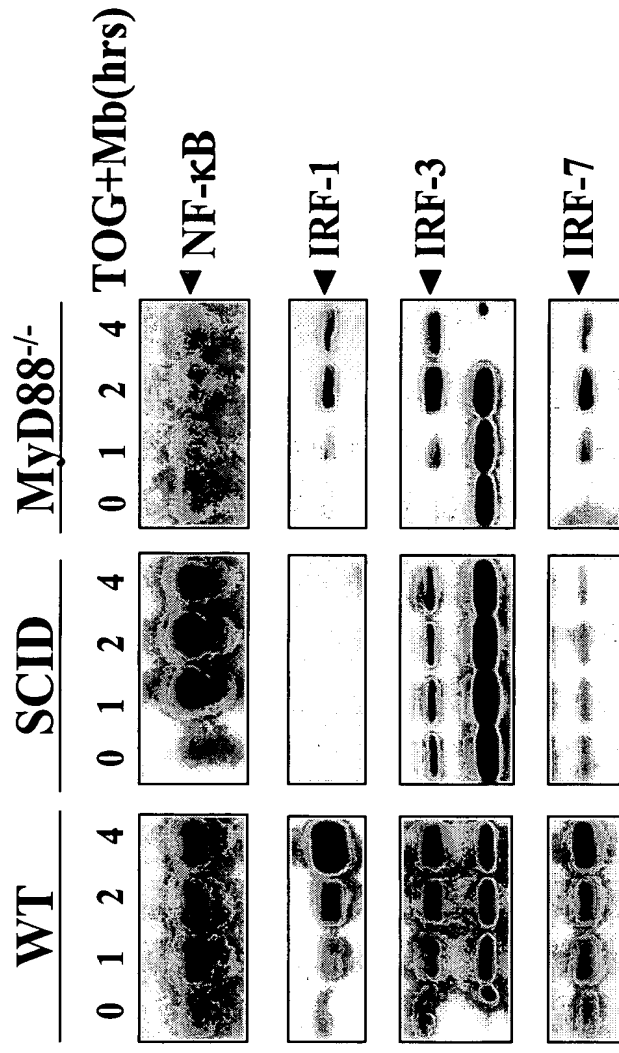


FIGURE 14

Augmentation of TLR-mediated Cytokine Induction by IMPDH Inhibitors is DNA- PKcs dependent

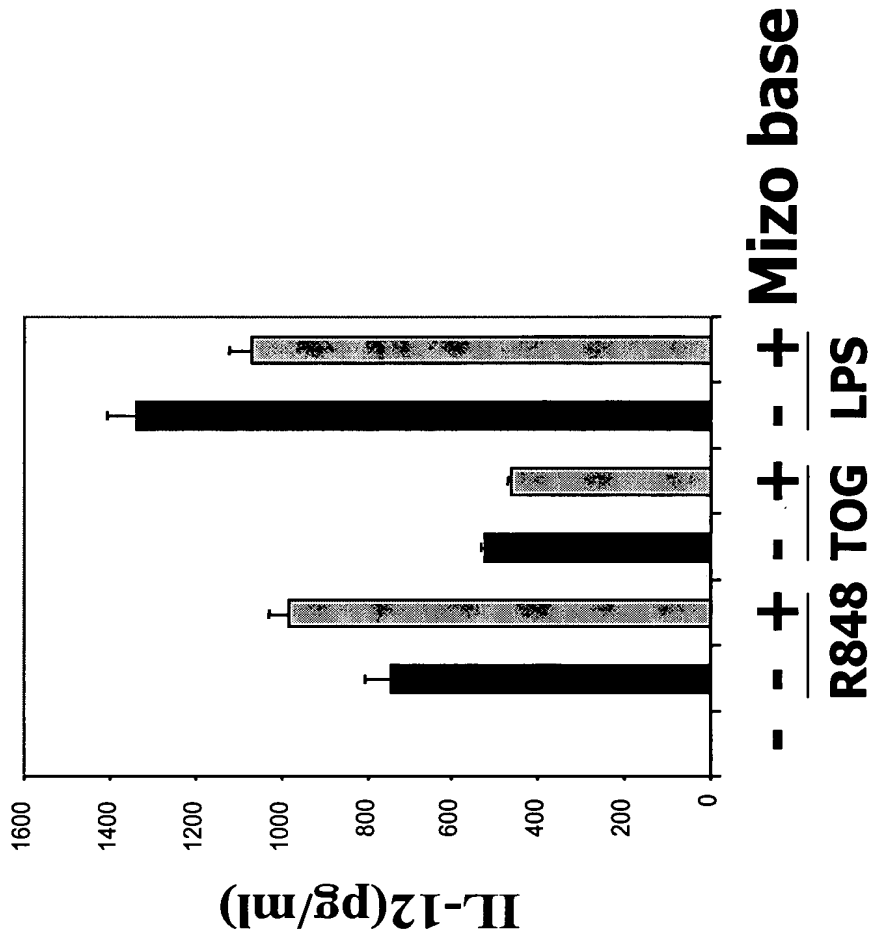
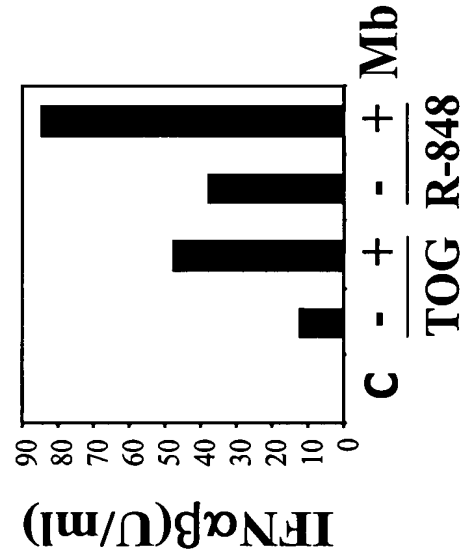


FIGURE 15

Mizoribine Augments TLR-7 Mediated Type I Interferon Production

Splenocytes



In Vivo

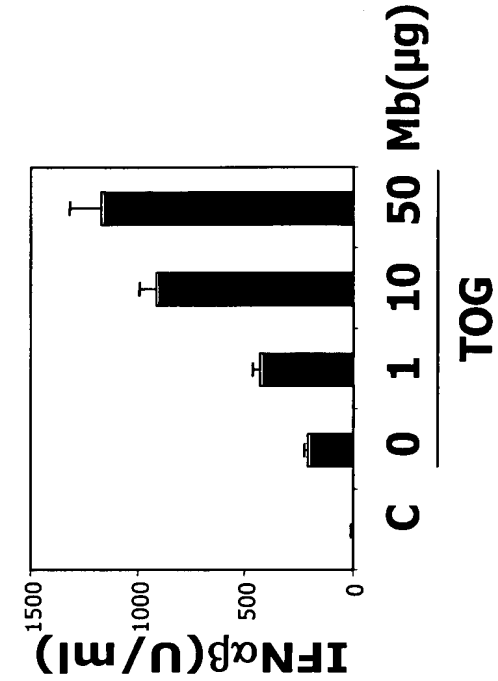
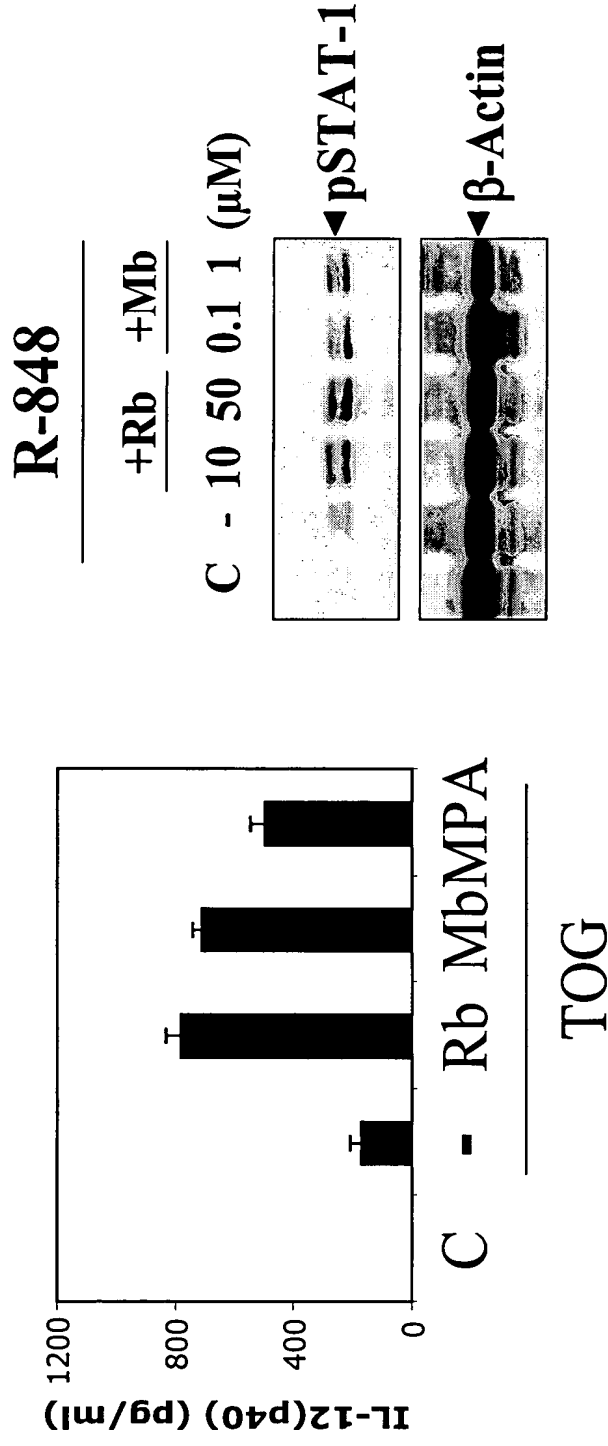


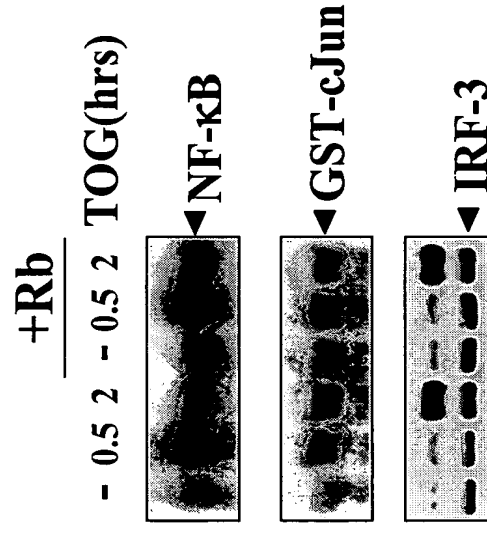
FIGURE 16

IMPDH Inhibitors Enhance TLR7-induced IL-12 in hPBL



IMPDH Inhibition Augments TLR-7 Mediated Cell Activation

Macrophages



Dendritic Cells

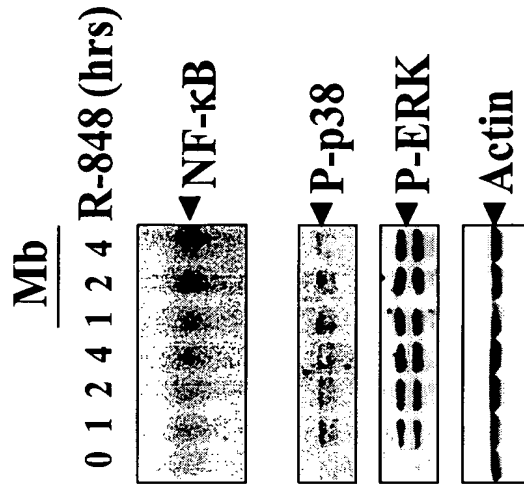


Figure 18

Activation of DNA-PKcs by IMPDH Inhibitors and TOG

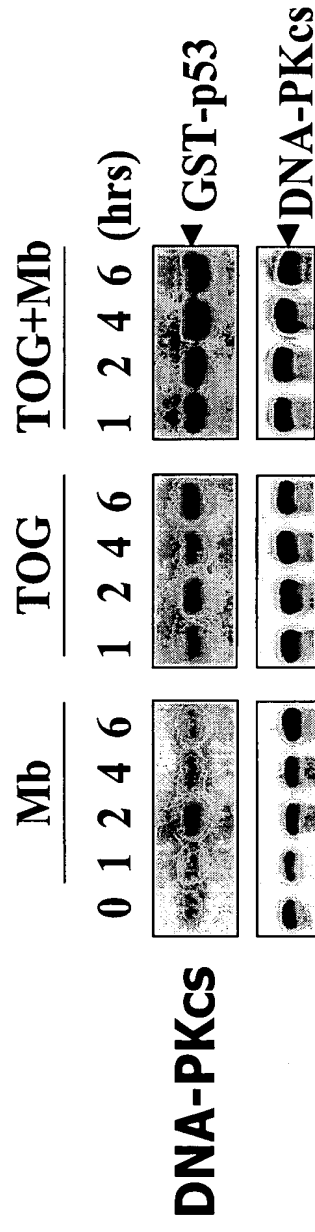


FIGURE 19

Induction of Type I Interferon by TOG/Mb Is Partially Dependent on DNA-PKcs

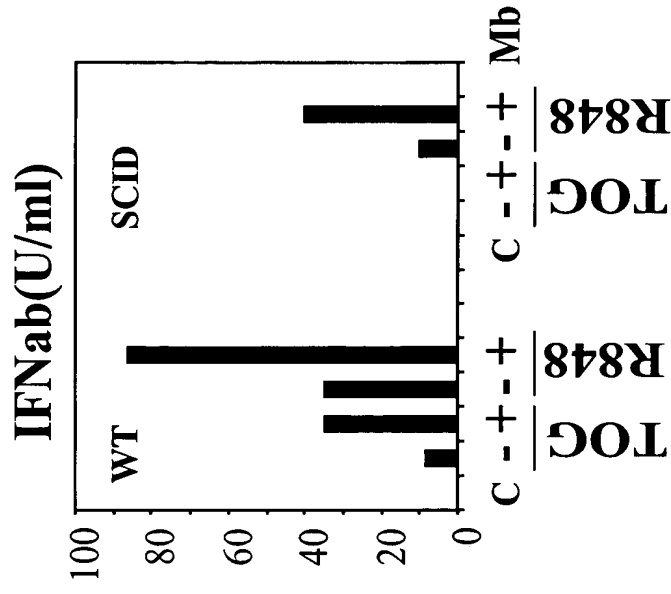


FIGURE 20

Activation of IKK ϵ is Partially Dependent on DNA-PKcs

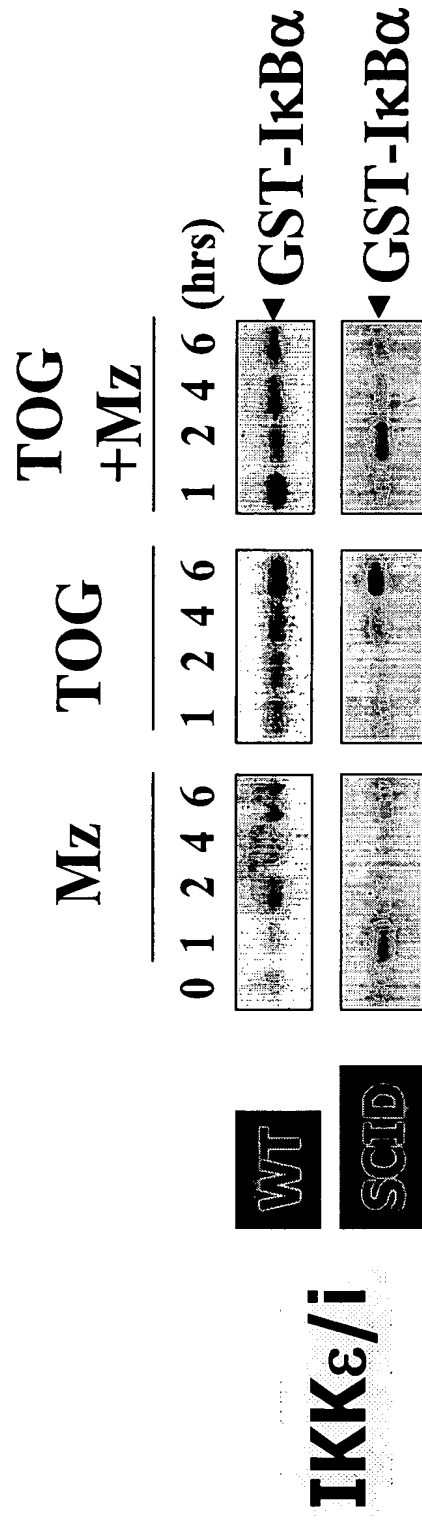


FIGURE 21